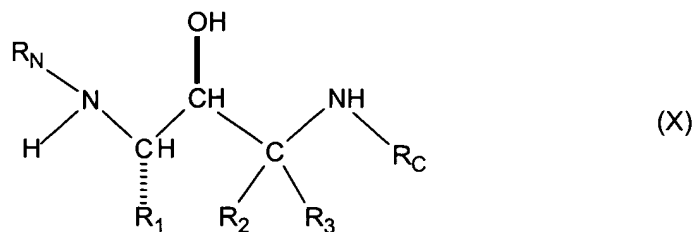


1. (Currently Amended) A substituted amine of formula (X)



where R_1 is:

~~(I) $\text{C}_1\text{-C}_6$ alkyl, optionally substituted with one, two or three substituents selected from the group consisting of $\text{C}_1\text{-C}_3$ alkyl, $\text{C}_1\text{-C}_7$ alkyl (optionally substituted with $\text{C}_1\text{-C}_3$ alkyl and $\text{C}_1\text{-C}_3$ alkoxy), F, Cl, Br, I, OH, SH, $\text{C}\equiv\text{N}$, CF_3 , $\text{C}_1\text{-C}_3$ alkoxy, $\text{NR}_{1-\text{a}}\text{R}_{1-\text{b}}$ where $\text{R}_{1-\text{a}}$ and $\text{R}_{1-\text{b}}$ are H or $\text{C}_1\text{-C}_6$ alkyl, and $\text{OC}=\text{O NR}_{1-\text{a}}\text{R}_{1-\text{b}}$ where $\text{R}_{1-\text{a}}$ and $\text{R}_{1-\text{b}}$ are as defined above,~~

~~———— (II) $\text{CH}_2\text{S(O)}_{0-2}(\text{C}_1\text{-C}_6\text{ alkyl})$,~~

~~———— (III) $\text{CH}_2\text{CH}_2\text{S(O)}_{0-2}(\text{C}_1\text{-C}_6\text{ alkyl})$,~~

~~———— (IV) $\text{C}_2\text{-C}_6$ alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, $\text{C}\equiv\text{N}$, CF_3 , $\text{C}_1\text{-C}_3$ alkoxy, and $\text{NR}_{1-\text{a}}\text{R}_{1-\text{b}}$ where $\text{R}_{1-\text{a}}$ and $\text{R}_{1-\text{b}}$ are H or $\text{C}_1\text{-C}_6$ alkyl,~~

~~———— (V) $\text{C}_2\text{-C}_6$ alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, $\text{C}\equiv\text{N}$, CF_3 , $\text{C}_1\text{-C}_3$ alkoxy, and $\text{NR}_{1-\text{a}}\text{R}_{1-\text{b}}$ where $\text{R}_{1-\text{a}}$ and $\text{R}_{1-\text{b}}$ are H or $\text{C}_1\text{-C}_6$ alkyl,~~

~~(VI) $-(\text{CH}_2)_{n_1}-(\text{R}_{1-\text{aryl}})$ where n_1 is zero or one and where $\text{R}_{1-\text{aryl}}$ is phenyl, 1-naphthyl, 2-naphthyl and indanyl, indenyl,~~

~~dihydronaphthyl, or tetralinyl~~ optionally substituted with one, two, three or four of the following substituents on the aryl ring:

(A) C₁-C₆ alkyl optionally substituted with one, two or three substituents selected from the group consisting of C₁-C₃ alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF₃, C₁-C₃ alkoxy, and -NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,

(B) C₂-C₆ alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, -CF₃, C₁-C₃ alkoxy, and -NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are -H or C₁-C₆ alkyl,

(C) C₂-C₆ alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, -CF₃, C₁-C₃ alkoxy, and -NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are -H or C₁-C₆ alkyl,

(D) -F, Cl, -Br, or -I,

(E) -C₁-C₆ alkoxy optionally substituted with one, two, or three -F,

(F) -NR_{N-2}R_{N-3} where R_{N-2} and R_{N-3} are as defined below,

(G) -OH,

(H) -C≡N,

(I) C₃-C₇ cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of -F, -Cl, -OH, -SH, -C≡N, -CF₃, C₁-C₃ alkoxy, and -NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are -H or C₁-C₆ alkyl,

(J) -CO-(C₁-C₄ alkyl),

(K) -SO₂-NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,

(L) $-\text{CO}-\text{NR}_{1-a}\text{R}_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, or

(M) $-\text{SO}_2-(\text{C}_1-\text{C}_4 \text{ alkyl}),$

~~(VII) $(\text{CH}_2)_{n_1}-(\text{R}_{1 \text{ heteroaryl}})$ where n_1 is as defined above and where $\text{R}_{1 \text{ heteroaryl}}$ is selected from the group consisting of:~~

~~_____pyridinyl,~~
~~_____pyrimidinyl,~~
~~_____quinolinyl,~~
~~_____benzothienyl,~~
~~_____indolyl,~~
~~_____indolinyl,~~
~~_____pyridazinyl,~~
~~_____pyrazinyl,~~
~~_____isoindolyl,~~
~~_____isoquinolyl,~~
~~_____quinazolinyl,~~
~~_____quinoxalinyl,~~
~~_____phthalazinyl,~~
~~_____imidazolyl,~~
~~_____isoxazolyl,~~
~~_____pyrazolyl,~~
~~_____oxazolyl,~~
~~_____thiazolyl,~~
~~_____indolizinyl,~~
~~_____indazolyl,~~
~~_____benzothiazolyl,~~
~~_____benzimidazolyl,~~
~~_____benzofuranyl,~~
~~_____furanyl,~~
~~_____thienyl,~~
~~_____pyrrolyl,~~
~~_____oxadiazolyl,~~

~~thiadiazolyl,~~
~~triazolyl,~~
~~tetrazolyl,~~
~~oxazolopyridinyl,~~
~~imidazopyridinyl,~~
~~isothiazolyl,~~
~~naphthyridinyl,~~
~~cinnolinyl,~~
~~carbazolyl,~~
~~beta-carbolinyl,~~
~~isochromanyl,~~
~~chromanyl,~~
~~tetrahydroisoquinolinyl,~~
~~isoindolinyl,~~
~~isobenzotetrahydrofuranyl,~~
~~isobenzotetrahydrothienyl,~~
~~isobenzothienyl,~~
~~benzoxazolyl,~~
~~pyridopyridinyl,~~
~~benzotetrahydrofuranyl,~~
~~benzotetrahydrothienyl,~~
~~purinyl,~~
~~benzodioxolyl,~~
~~triazinyl,~~
phenoxazinyl,
phenothiazinyl,
pteridinyl,
benzothiazolyl,
imidazopyridinyl,
imidazothiazolyl,
dihydrobenzisoxazinyl,
benzisoxazinyl,

benzoxazinyl,
dihydrobenzisothiazinyl,
benzopyranyl,
benzothiopyranyl,
coumarinyl,
isocoumarinyl,
chromonyl,
chromanonyl,
pyridinyl N-oxide
tetrahydroquinolinyl
dihydroquinolinyl
dihydroquinolinonyl
dihydroisoquinolinonyl
dihydrocoumarinyl
dihydroisocoumarinyl
isoindolinonyl
benzodioxanyl
benzoxazolinonyl
pyrrolyl N-oxide,
pyrimidinyl N-oxide,
pyridazinyl N-oxide,
pyrazinyl N-oxide,
quinolinyl N-oxide,
indolyl N-oxide,
indolinyl N-oxide,
isoquinolyl N-oxide,
quinazolinyl N-oxide,
quinoxalinyl N-oxide,
phthalazinyl N-oxide,
imidazolyl N-oxide,
isoxazolyl N-oxide,
oxazolyl N-oxide,

~~thiazolyl N-oxide,~~
~~indoliziny N-oxide,~~
~~indazolyl N-oxide,~~
~~benzothiazolyl N-oxide,~~
~~benzimidazolyl N-oxide,~~
~~pyrrolyl N-oxide,~~
~~oxadiazolyl N-oxide,~~
~~thiadiazolyl N-oxide,~~
~~triazolyl N-oxide,~~
~~tetrazolyl N-oxide,~~
~~benzothiopyranyl S-oxide, and~~
~~benzothiopyranyl S,S-dioxide,~~

~~where the R_1 -heteroaryl group is bonded to $(CH_2)_{n1}$ by any ring atom of the parent R_N -heteroaryl group substituted by hydrogen such that the new bond to the R_1 -heteroaryl group replaces the hydrogen atom and its bond, where heteroaryl is optionally substituted with one, two, three or four of:~~

~~(1) C_1 - C_6 -alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1 - C_3 -alkyl, F, Cl, Br, I, OH, SH, C=N, CF_3 , C_1 - C_3 -alkoxy, and $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,~~

~~(2) C_2 - C_6 -alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C=N, CF_3 , C_1 - C_3 -alkoxy, and $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are H or C_1 - C_6 alkyl,~~

~~(3) C_2 - C_6 -alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C=N,~~

~~CF₃, C₁-C₃ alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are H or C₁-C₆ alkyl,~~

~~_____ (4) F, Cl, Br, or I,~~

~~_____ (5) C₁-C₆ alkoxy optionally substituted with one, two, or three F,~~

~~_____ (6) NR_{N-2}R_{N-3} where R_{N-2} and R_{N-3} are as defined below,~~

~~_____ (7) OH,~~

~~_____ (8) C=N,~~

~~_____ (9) C₃-C₇ cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C=N, CF₃, C₁-C₃ alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are H or C₁-C₆ alkyl,~~

~~_____ (10) CO (C₁-C₄ alkyl),~~

~~_____ (11) SO₂ NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~_____ (12) CO NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~_____ (13) SO₂ (C₁-C₄ alkyl), with the proviso that when n₁ is zero R_{1-heteroaryl} is not bonded to the carbon chain by nitrogen,~~

~~_____ (VIII) (CH₂)_{n1} (R_{1-heterocycle}) where n₁ is as defined above and R_{1-heterocycle} is selected from the group consisting of:~~

~~_____ morpholinyl,~~

~~_____ thiomorpholinyl,~~

~~_____ thiomorpholinyl S-oxide,~~

~~_____ thiomorpholinyl S,S-dioxide,~~

~~_____ piperazinyl,~~

~~_____ homopiperazinyl,~~

~~_____ pyrrolidinyl,~~

~~_____ pyrrolinyl,~~

~~_____ tetrahydropyranyl,~~
~~_____ piperidinyl,~~
~~_____ tetrahydrofuranyl,~~
~~_____ tetrahydrothienyl,~~
~~_____ homopiperidinyl,~~
~~_____ homomorpholinyl,~~
homothiomorpholinyl,
homethiomorpholinyl S,S-dioxide,
oxazolidinonyl,
dihydropyrazolyl,
dihydropyrrolyl,
dihydropyrazinyl,
dihydropyridinyl,
dihydropyrimidinyl,
dihydrofuryl,
dihydropyranyl,
tetrahydrothienyl S-oxide,
tetrahydrothienyl S,S-dioxide, and
homothiomorpholinyl S-oxide,

~~_____ where the R₁-heterocycle-group is bonded by any atom of the~~
~~parent R₁-heterocycle-group substituted by hydrogen such that the new~~
~~bond to the R₁-heterocycle-group replaces the hydrogen atom and its~~
~~bond, where heterocycle is optionally substituted with one, two,~~
~~three or four:~~

~~_____ (1) C₁-C₆-alkyl optionally substituted with~~
~~one, two or three substituents selected from the group~~
~~consisting of C₁-C₃-alkyl, F, Cl, Br, I, OH, SH, C≡N, CF₃,~~
~~C₁-C₃-alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined~~
~~above,~~

~~_____ (2) C₂-C₆-alkenyl with one or two double~~
~~bonds, optionally substituted with one, two or three~~

~~substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF₃, C₁-C₃-alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are H or C₁-C₆-alkyl,~~

~~(3) C₂-C₆-alkynyl with one or two triple bonds, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF₃, C₁-C₃-alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are H or C₁-C₆-alkyl,~~

~~(4) F, Cl, Br, or I,~~

~~(5) C₁-C₆-alkoxy optionally substituted with one, two, or three F,~~

~~(6) NR_{N-2}R_{N-3} where R_{N-2} and R_{N-3} are as defined below,~~

~~(7) OH,~~

~~(8) C≡N,~~

~~(9) C₃-C₇-cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of F, Cl, OH, SH, C≡N, CF₃, C₁-C₃-alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are H or C₁-C₆-alkyl,~~

~~(10) CO (C₁-C₄-alkyl),~~

~~(11) SO₂ NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~(12) CO NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~(13) SO₂ (C₁-C₄-alkyl),~~

~~(14) =O, with the proviso that when n₁ is zero R_{1-heterocycle} is not bonded to the carbon chain by nitrogen,~~

where R₂ is:

(I) -H, or

(II) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, $-C\equiv N$, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above;

where R_3 is:

(I) -H, or

(II) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, $-C\equiv N$, $-CF_3$, C_1-C_3 alkoxy, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above;

and where R_2 and R_3 are taken together with the carbon to which they are attached to form a carbocycle of three, four, five, six, or seven carbon atoms, optionally where one carbon atom is replaced by a heteroatom selected from the group consisting of -O-, -S-, $-SO_2-$, and $-NR_{N-2}-$, where R_{N-2} is as defined below;

where R_N is:

(I) $R_{N-1}-X_N-$ where X_N is ~~selected from the group consisting of:~~

~~(A) -CO-, and~~

~~(B) $-SO_2-$~~

where R_{N-1} is selected from the group consisting of:

~~(A) R_{N-aryl} where R_{N-aryl} is phenyl, 1-naphthyl, 2-naphthyl, tetralinyl, indanyl, dihydronaphthyl or 6,7,8,9-tetrahydro-5H-benzo[a]cycloheptenyl, optionally substituted with one, two or three of the following substituents which can be the same or different and are:~~

(1) C₁-C₆ alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C₁-C₃ alkyl, -F, -Cl, -Br, -I, -OH, -SH, -C≡N, -CF₃, C₁-C₃ alkoxy, and -NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,

(2) -OH,

(3) -NO₂,

(4) -F, -Cl, -Br, or -I,

(5) -CO-OH,

(6) -C≡N,

(7) -(CH₂)₀₋₄-CO-NR_{N-2}R_{N-3} where R_{N-2} and R_{N-3} are the same or different and are selected from the group consisting of:

(a) -H,

(b) -C₁-C₆ alkyl optionally substituted with one ~~substituent~~ substituent selected from the group consisting of:

(i) -OH, and

(ii) -NH₂,

(c) -C₁-C₆ alkyl optionally substituted with one to three -F, -Cl, -Br, or -I,

(d) -C₃-C₇ cycloalkyl,

(e) -(C₁-C₂ alkyl)-(C₃-C₇ cycloalkyl),

(f) -(C₁-C₆ alkyl)-O-(C₁-C₃ alkyl),

(g) -C₂-C₆ alkenyl with one or two double bonds,

(h) -C₂-C₆ alkynyl with one or two triple bonds,

(i) -C₁-C₆ alkyl chain with one double bond and one triple bond,

(j) $-R_1\text{-aryl}$ where $R_1\text{-aryl}$ is as defined above, and

(k) $-R_1\text{-heteroaryl}$ where $R_1\text{-heteroaryl}$ is as defined above,

(8) $-(CH_2)_{0-4}\text{-CO-}(C_1\text{-}C_{12}\text{ alkyl})$,

(9) $-(CH_2)_{0-4}\text{-CO-}(C_2\text{-}C_{12}\text{ alkenyl with one, two or three double bonds})$,

(10) $-(CH_2)_{0-4}\text{-CO-}(C_2\text{-}C_{12}\text{ alkynyl with one, two or three triple bonds})$,

(11) $-(CH_2)_{0-4}\text{-CO-}(C_3\text{-}C_7\text{ cycloalkyl})$,

(12) $-(CH_2)_{0-4}\text{-CO-}R_1\text{-aryl}$ where $R_1\text{-aryl}$ is as defined above,

(13) $-(CH_2)_{0-4}\text{-CO-}R_1\text{-heteroaryl}$ where $R_1\text{-heteroaryl}$ is as defined above,

(14) $-(CH_2)_{0-4}\text{-CO-}R_1\text{-heterocycle}$ where $R_1\text{-heterocycle}$ is as defined above,

(15) $-(CH_2)_{0-4}\text{-CO-}R_{N-4}$ where R_{N-4} is selected from the group consisting of morpholinyl, thiomorpholinyl, piperazinyl, piperidinyl, homomorpholinyl, homothiomorpholinyl, homothiomorpholinyl S-oxide, homothiomorpholinyl S,S-dioxide, pyrrolinyl and pyrrolidinyl where each group is optionally substituted with one, two, three, or four of $C_1\text{-}C_6$ alkyl,

(16) $-(CH_2)_{0-4}\text{-CO-O-}R_{N-5}$ where R_{N-5} is selected from the group consisting of:

(a) $C_1\text{-}C_6$ alkyl,

(b) $-(CH_2)_{0-2}\text{-}(R_1\text{-aryl})$ where $R_1\text{-aryl}$ is as defined above,

(c) $C_2\text{-}C_6$ alkenyl containing one or two double bonds,

(d) $C_2\text{-}C_6$ alkynyl containing one or two triple bonds,

(e) $C_3\text{-}C_7$ cycloalkyl,

(f) - $(\text{CH}_2)_{0-2} - (\text{R}_1\text{-heteroaryl})$ where $\text{R}_1\text{-heteroaryl}$ is as defined above,

(17) - $(\text{CH}_2)_{0-4} - \text{SO}_2 - \text{NR}_{\text{N}-2}\text{R}_{\text{N}-3}$ where $\text{R}_{\text{N}-2}$ and $\text{R}_{\text{N}-3}$ are as defined above,

(18) - $(\text{CH}_2)_{0-4} - \text{SO} - (\text{C}_1\text{-C}_8 \text{ alkyl})$,

(19) - $(\text{CH}_2)_{0-4} - \text{SO}_2 - (\text{C}_1\text{-C}_{12} \text{ alkyl})$,

(20) - $(\text{CH}_2)_{0-4} - \text{SO}_2 - (\text{C}_3\text{-C}_7 \text{ cycloalkyl})$,

(21) - $(\text{CH}_2)_{0-4} - \text{N}(\text{H or } \text{R}_{\text{N}-5}) - \text{CO} - \text{O} - \text{R}_{\text{N}-5}$ where $\text{R}_{\text{N}-5}$ can be the same or different and is as defined above,

(22) - $(\text{CH}_2)_{0-4} - \text{N}(\text{H or } \text{R}_{\text{N}-5}) - \text{CO} - \text{N}(\text{R}_{\text{N}-5})_2$, where $\text{R}_{\text{N}-5}$ can be the same or different and is as defined above,

(23) - $(\text{CH}_2)_{0-4} - \text{N} - \text{CS} - \text{N}(\text{R}_{\text{N}-5})_2$, where $\text{R}_{\text{N}-5}$ can be the same or different and is as defined above,

(24) - $(\text{CH}_2)_{0-4} - \text{N}(-\text{H or } \text{R}_{\text{N}-5}) - \text{CO} - \text{R}_{\text{N}-2}$ where $\text{R}_{\text{N}-5}$ and $\text{R}_{\text{N}-2}$ can be the same or different and are as defined above,

(25) - $(\text{CH}_2)_{0-4} - \text{NR}_{\text{N}-2}\text{R}_{\text{N}-3}$ where $\text{R}_{\text{N}-2}$ and $\text{R}_{\text{N}-3}$ can be the same or different and are as defined above,

(26) - $(\text{CH}_2)_{0-4} - \text{R}_{\text{N}-4}$ where $\text{R}_{\text{N}-4}$ is as defined above,

(27) - $(\text{CH}_2)_{0-4} - \text{O} - \text{CO} - (\text{C}_1\text{-C}_6 \text{ alkyl})$,

(28) - $(\text{CH}_2)_{0-4} - \text{O} - \text{P}(\text{O}) - (\text{OR}_{\text{N-aryl-1}})_2$ where $\text{R}_{\text{N-aryl-1}}$ is -H or $\text{C}_1\text{-C}_4 \text{ alkyl}$,

(29) - $(\text{CH}_2)_{0-4} - \text{O} - \text{CO} - \text{N}(\text{R}_{\text{N}-5})_2$ where $\text{R}_{\text{N}-5}$ is as defined above,

(30) - $(\text{CH}_2)_{0-4} - \text{O} - \text{CS} - \text{N}(\text{R}_{\text{N}-5})_2$ where $\text{R}_{\text{N}-5}$ is as defined above,

(31) - $(\text{CH}_2)_{0-4} - \text{O} - (\text{R}_{\text{N}-5})_2$ where $\text{R}_{\text{N}-5}$ is as defined above,

(32) - $(\text{CH}_2)_{0-4} - \text{O} - (\text{R}_{\text{N}-5})_2 - \text{COOH}$ where $\text{R}_{\text{N}-5}$ is as defined above,

(33) - $(\text{CH}_2)_{0-4} - \text{S} - (\text{R}_{\text{N}-5})_2$ where $\text{R}_{\text{N}-5}$ is as defined above,

(34) $-(\text{CH}_2)_{0-4}-\text{O}-(\text{C}_1-\text{C}_6 \text{ alkyl optionally substituted with one, two, three, four, or five } -\text{F}),$

(35) $\text{C}_3-\text{C}_7 \text{ cycloalkyl},$

(36) $\text{C}_2-\text{C}_6 \text{ alkenyl with one or two double bonds optionally substituted with } \text{C}_1-\text{C}_3 \text{ alkyl, } -\text{F, } -\text{Cl, } -\text{Br, } -\text{I, } -\text{OH, } -\text{SH, } -\text{C}\equiv\text{N, } -\text{CF}_3, \text{ C}_1-\text{C}_3 \text{ alkoxy, and } -\text{NR}_{1-a}\text{R}_{1-b} \text{ where } \text{R}_{1-a} \text{ and } \text{R}_{1-b} \text{ are as defined above,}$

(37) $\text{C}_2-\text{C}_6 \text{ alkynyl with one or two triple bonds optionally substituted with } \text{C}_1-\text{C}_3 \text{ alkyl, } -\text{F, } -\text{Cl, } -\text{Br, } -\text{I, } -\text{OH, } -\text{SH, } -\text{C}\equiv\text{N, } -\text{CF}_3, \text{ C}_1-\text{C}_3 \text{ alkoxy, } -\text{NR}_{1-a}\text{R}_{1-b} \text{ where } \text{R}_{1-a} \text{ and } \text{R}_{1-b} \text{ are as defined above,}$

(38) $-(\text{CH}_2)_{0-4}-\text{N}(-\text{H or } \text{R}_{\text{N}-5})-\text{SO}_2-\text{R}_{\text{N}-2} \text{ where } \text{R}_{\text{N}-5} \text{ and } \text{R}_{\text{N}-2} \text{ can be the same or different and are as described above, or}$

(39) $-(\text{CH}_2)_{0-4}-\text{C}_3-\text{C}_7 \text{ cycloalkyl},$

~~(B) R_{N} heteroaryl where R_{N} heteroaryl is selected from the group consisting of:~~

~~pyridinyl,
pyrimidinyl,
quinolinyl,
benzothienyl,
indolyl,
indolinyl,
pyridazinyl,
pyrazinyl,
isoindolyl,
isoquinolyl,
quinazolinyl,
quinoxalinyl,
phthalazinyl,
imidazolyl,~~

~~isoxazolyl,~~
~~pyrazolyl,~~
~~oxazolyl,~~
~~thiazolyl,~~
~~indolizinyll,~~
~~indazolyl,~~
~~benzothiazolyl,~~
~~benzimidazolyl,~~
~~benzofuranyl,~~
~~furanyl,~~
~~thienyl,~~
~~pyrrolyl,~~
~~oxadiazolyl,~~
~~thiadiazolyl,~~
~~triazolyl,~~
~~tetrazolyl,~~
~~oxazolopyridinyl,~~
~~imidazopyridinyl,~~
~~isothiazolyl,~~
~~naphthyridinyl,~~
~~cinnolinyl,~~
~~carbazolyl,~~
~~beta-carbolinyl,~~
~~isochromanyl,~~
~~chromanyl,~~
~~tetrahydroisoquinolinyl,~~
~~isoindolinyl,~~
~~isobenzotetrahydrofuranyl,~~
~~isobenzotetrahydrothienyl,~~
~~isobenzothienyl,~~
~~benzoxazolyl,~~
~~pyridopyridinyl,~~

~~benzotetrahydrofuranyl,~~
~~benzotetrahydrothienyl,~~
~~purinyl,~~
~~benzodioxolyl,~~
~~triazinyl,~~
~~hexoxazinyl,~~
~~phenothiazinyl,~~
~~pteridinyl,~~
~~benzothiazolyl,~~
~~imidazopyridinyl,~~
~~imidazothiazolyl,~~
~~dihydrobenzisoxazinyl,~~
~~benzisoxazinyl,~~
~~benzoxazinyl,~~
~~dihydrobenzisoctiazinyl,~~
~~benzopyranyl,~~
~~benzothiopyranyl,~~
~~coumarinyl,~~
~~isocoumarinyl,~~
~~chromonyl,~~
~~chromanonyl,~~
~~pyridinyl N-oxide,~~
tetrahydroquinolinyl
dihydroquinolinyl
dihydroquinolinonyl
dihydroisoquinolinonyl
dihydrocoumarinyl
dihydroisocoumarinyl
isoindolinonyl
benzodioxanyl
benzoxazolinonyl
pyrrolyl N-oxide,

~~pyrimidinyl N-oxide,~~
~~pyridazinyl N-oxide,~~
~~pyrazinyl N-oxide,~~
~~quinolinyl N-oxide,~~
~~indolyl N-oxide,~~
~~indolinyl N-oxide,~~
~~isoquinolyl N-oxide,~~
~~quinazolinyl N-oxide,~~
~~quinoxalinyl N-oxide,~~
~~phthalazinyl N-oxide,~~
~~imidazolyl N-oxide,~~
~~isoxazolyl N-oxide,~~
~~oxazolyl N-oxide,~~
~~thiazolyl N-oxide,~~
~~indoliziny N-oxide,~~
~~indazolyl N-oxide,~~
~~benzothiazolyl N-oxide,~~
~~benzimidazolyl N-oxide,~~
~~pyrrolyl N-oxide,~~
~~oxadiazolyl N-oxide,~~
~~thiadiazolyl N-oxide,~~
~~triazolyl N-oxide,~~
~~tetrazolyl N-oxide,~~
~~benzothiopyranyl S-oxide, and~~
~~benzothiopyranyl S,S-dioxide,~~

~~where the $R_{N\text{-heteroaryl}}$ group is bonded by any atom of the parent $R_{N\text{-heteroaryl}}$ group substituted by hydrogen such that the new bond to the $R_{N\text{-heteroaryl}}$ group replaces the hydrogen atom and its bond, where heteroaryl is optionally substituted with one, two, three, or four of:~~

~~(1) C_1-C_6 alkyl, optionally substituted with one, two or three substituents selected from the group~~

~~consisting of C₁-C₃ alkyl, F, Cl, Br, I, OH, SH, C=N, CF₃, C₁-C₃ alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~_____ (2) OH,~~

~~_____ (3) NO₂,~~

~~_____ (4) F, Cl, Br, I,~~

~~_____ (5) CO OH,~~

~~_____ (6) C=N,~~

~~_____ (7) (CH₂)₀₋₄ CO NR_{N-2}R_{N-3} where R_{N-2} and R_{N-3} are the same or different and are selected from the group consisting of:~~

~~_____ (a) H,~~

~~_____ (b) C₁-C₆ alkyl optionally substituted with one substituent selected from the group consisting of:~~

~~_____ (i) OH, and~~

~~_____ (ii) NH₂,~~

~~_____ (c) C₁-C₆ alkyl optionally substituted with one to three F, Cl, Br, I,~~

~~_____ (d) C₃-C₇ cycloalkyl,~~

~~_____ (e) (C₁-C₂ alkyl) (C₃-C₇ cycloalkyl),~~

~~_____ (f) (C₁-C₆ alkyl) O (C₁-C₃ alkyl),~~

~~_____ (g) C₂-C₆ alkenyl with one or two double bonds,~~

~~_____ (h) C₂-C₆ alkynyl with one or two triple bonds,~~

~~_____ (i) C₁-C₆ alkyl chain with one double bond and one triple bond,~~

~~_____ (j) R_{1-aryl} where R_{1-aryl} is as defined above, and~~

~~_____ (k) R_{1-heteroaryl} where R_{1-heteroaryl} is as defined above,~~

~~(8) $(\text{CH}_2)_{0-4}-\text{CO}-\text{C}_1-\text{C}_{12}-\text{alkyl}$ },~~
~~(9) $(\text{CH}_2)_{0-4}-\text{CO}-\text{C}_2-\text{C}_{12}-\text{alkenyl}$ with one, two or three double bonds},~~
~~(10) $(\text{CH}_2)_{0-4}-\text{CO}-\text{C}_2-\text{C}_{12}-\text{alkynyl}$ with one, two or three triple bonds},~~
~~(11) $(\text{CH}_2)_{0-4}-\text{CO}-\text{C}_3-\text{C}_7-\text{cycloalkyl}$ },~~
~~(12) $(\text{CH}_2)_{0-4}-\text{CO}-\text{R}_{1-\text{aryl}}$ where $\text{R}_{1-\text{aryl}}$ is as defined above},~~
~~(13) $(\text{CH}_2)_{0-4}-\text{CO}-\text{R}_{1-\text{heteroaryl}}$ where $\text{R}_{1-\text{heteroaryl}}$ is as defined above},~~
~~(14) $(\text{CH}_2)_{0-4}-\text{CO}-\text{R}_{1-\text{heterocycle}}$ where $\text{R}_{1-\text{heterocycle}}$ is as defined above},~~
~~(15) $(\text{CH}_2)_{0-4}-\text{CO}-\text{R}_{\text{N}-4}$ where $\text{R}_{\text{N}-4}$ is selected from the group consisting of morpholinyl, thiomorpholinyl, piperazinyl, piperidinyl, homomorpholinyl, homothiomorpholinyl, homothiomorpholinyl S-oxide, homothiomorpholinyl S,S-dioxide, pyrrolinyl and pyrrolidinyl where each group is optionally substituted with one, two, three, or four of $\text{C}_1-\text{C}_6-\text{alkyl}$ },~~
~~(16) $(\text{CH}_2)_{0-4}-\text{CO}-\text{O}-\text{R}_{\text{N}-5}$ where $\text{R}_{\text{N}-5}$ is selected from the group consisting of:~~
~~(a) $\text{C}_1-\text{C}_6-\text{alkyl}$,~~
~~(b) $(\text{CH}_2)_{0-2}-\text{R}_{1-\text{aryl}}$ where $\text{R}_{1-\text{aryl}}$ is as defined above},~~
~~(c) $\text{C}_2-\text{C}_6-\text{alkenyl}$ containing one or two double bonds},~~
~~(d) $\text{C}_2-\text{C}_6-\text{alkynyl}$ containing one or two triple bonds},~~
~~(e) $\text{C}_3-\text{C}_7-\text{cycloalkyl}$, and~~
~~(f) $(\text{CH}_2)_{0-2}-\text{R}_{1-\text{heteroaryl}}$ where $\text{R}_{1-\text{heteroaryl}}$ is as defined above},~~
~~(17) $(\text{CH}_2)_{0-4}-\text{SO}_2-\text{NR}_{\text{N}-2}\text{R}_{\text{N}-3}$ where $\text{R}_{\text{N}-2}$ and $\text{R}_{\text{N}-3}$ are as defined above},~~

- ~~(18) $(CH_2)_{0-4}SO(C_1-C_8\text{ alkyl})$,~~
- ~~(19) $(CH_2)_{0-4}SO_2(C_1-C_{12}\text{ alkyl})$,~~
- ~~(20) $(CH_2)_{0-4}SO_2(C_3-C_7\text{ cycloalkyl})$,~~
- ~~(21) $(CH_2)_{0-4}N(H\text{ or }R_{N-5})COOR_{N-5}$ where R_{N-5} can be the same or different and is as defined above,~~
- ~~(22) $(CH_2)_{0-4}N(H\text{ or }R_{N-5})CON(R_{N-5})_2$ where R_{N-5} can be the same or different and is as defined above,~~
- ~~(23) $(CH_2)_{0-4}NCSN(R_{N-5})_2$ where R_{N-5} can be the same or different and is as defined above,~~
- ~~(24) $(CH_2)_{0-4}N(H\text{ or }R_{N-5})COR_{N-2}$ where R_{N-5} and R_{N-2} can be the same or different and are as defined above,~~
- ~~(25) $(CH_2)_{0-4}NR_{N-2}R_{N-3}$ where R_{N-2} and R_{N-3} can be the same or different and are as defined above,~~
- ~~(26) $(CH_2)_{0-4}R_{N-4}$ where R_{N-4} is as defined above,~~
- ~~(27) $(CH_2)_{0-4}OCO(C_1-C_6\text{ alkyl})$,~~
- ~~(28) $(CH_2)_{0-4}OP(O)(OR_{N-aryl-1})_2$ where $R_{N-aryl-1}$ is H or $C_1-C_4\text{ alkyl}$,~~
- ~~(29) $(CH_2)_{0-4}OCON(R_{N-5})_2$ where R_{N-5} is as defined above,~~
- ~~(30) $(CH_2)_{0-4}OCSN(R_{N-5})_2$ where R_{N-5} is as defined above,~~
- ~~(31) $(CH_2)_{0-4}O(R_{N-5})_2$ where R_{N-5} is as defined above,~~
- ~~(32) $(CH_2)_{0-4}O(R_{N-5})_2COOH$ where R_{N-5} is as defined above,~~
- ~~(33) $(CH_2)_{0-4}S(R_{N-5})_2$ where R_{N-5} is as defined above,~~
- ~~(34) $(CH_2)_{0-4}O(C_1-C_6\text{ alkyl optionally substituted with one, two, three, four, or five of }F)$,~~
- ~~(35) $C_3-C_7\text{ cycloalkyl}$,~~

~~(36) C₂-C₆ alkenyl with one or two double bonds optionally substituted with C₁-C₃ alkyl, F, Cl, Br, I, OH, SH, C≡N, CF₃, C₁-C₃ alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~(37) C₂-C₆ alkynyl with one or two triple bonds optionally substituted with C₁-C₃ alkyl, F, Cl, Br, I, OH, SH, C≡N, CF₃, C₁-C₃ alkoxy, and NR_{1-a}R_{1-b} where R_{1-a} and R_{1-b} are as defined above,~~

~~(38) (CH₂)₀₋₄ N(H or R_{N-5}) SO₂ R_{N-2} where R_{N-5} and R_{N-2} can be the same or different and are as described above, or~~

~~(39) (CH₂)₀₋₄ C₃-C₇ cycloalkyl,~~

~~(C) R_{N-aryl}-W-R_{N-aryl},~~

~~(D) R_{N-aryl}-W-R_{N-heteroaryl},~~

~~(E) R_{N-aryl}-W-R_{N-1-heterocycle}, where R_{N-heterocycle} is the same as R_{1-heterocycle}~~

~~(F) R_{N-heteroaryl}-W-R_{N-aryl},~~

~~(G) R_{N-heteroaryl}-W-R_{N-heteroaryl},~~

~~(H) R_{N-heteroaryl}-W-R_{N-1-heterocycle}, where R_{N-1-heterocycle} is the same as R_{1-heterocycle},~~

~~(I) R_{N-heterocycle}-W-R_{N-aryl},~~

~~(J) R_{N-heterocycle}-W-R_{N-heteroaryl},~~

~~(K) R_{N-heterocycle}-W-R_{N-1-heterocycle},~~

~~where W is~~

~~(1) (CH₂)₀₋₄,~~

~~(2) O,~~

~~(3) S(O)₀₋₂,~~

~~(4) N(R_{N-5}) where R_{N-5} is as defined~~

~~above, or~~

~~(5) CO,~~

where R_C is:

(I) $-C_3-C_{10}$ alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, $-F$, $-Cl$, $-Br$, $-I$, $-OH$, $-SH$, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, $-O$ -phenyl, $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, $-OC=O$ $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, $-S(=O)_{0-2}$ R_{1-a} where R_{1-a} is as defined above, $-NR_{1-a}C=O$ $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, $-C=O$ $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above, and $-S(=O)_2$ $NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(II) $-(CH_2)_{0-3}-(C_3-C_8)$ cycloalkyl where cycloalkyl can be optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, $-F$, $-Cl$, $-Br$, $-I$, $-OH$, $-SH$, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, $-O$ -phenyl, $-CO-OH$, $-CO-O-(C_1-C_4)$ alkyl, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(III) $-(CR_{C-x}R_{C-y})_{0-4}-R_C$ -aryl where R_{C-x} and R_{C-y} are

$-H$,

C_1-C_4 alkyl optionally substituted with one or two

$-OH$,

C_1-C_4 alkoxy optionally substituted with one, two, or three of

$-F$,

$-(CH_2)_{0-4}-C_3-C_7$ cycloalkyl,

C_2-C_6 alkenyl containing one or two double bonds,

C_2-C_6 alkynyl containing one or two triple bonds,

or

phenyl,

and where R_{C-x} and R_{C-y} are taken together with the carbon to which they are attached to form a carbocycle of three, four, five, six or seven carbon atoms, optionally where one carbon atom is replaced by a heteroatom selected from the group consisting of -O-, -S-, -SO₂-, -NR_{N-2}- and R_{C-aryl} is the same as R_{N-aryl} ;

(IV) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heteroaryl} where R_{C-heteroaryl} is the same as R_{N-heteroaryl} and R_{C-x} and R_{C-y} are as defined above,

(V) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-aryl}-R_{C-aryl} where R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above,

(VI) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-aryl}-R_{C-heteroaryl} where R_{C-aryl}, R_{C-heteroaryl}, R_{C-x} and R_{C-y} are as defined above,

(VII) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heteroaryl}-R_{C-aryl} where R_{C-heteroaryl}, R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above,

(VIII) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heteroaryl}-R_{C-heteroaryl} where R_{C-heteroaryl}, R_{C-x} and R_{C-y} are as defined above,

(IX) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-aryl}-R_{C-heterocycle} where R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above, and R_{C-heterocycle} is the same as R_{N-heterocycle},

(X) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heteroaryl}-R_{C-heterocycle} where R_{C-heteroaryl}, R_{C-heterocycle}, R_{C-x} and R_{C-y} are as defined above,

(XI) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heterocycle}-R_{C-aryl} where R_{C-heterocycle}, R_{C-aryl}, R_{C-x} and R_{C-y} are as defined above,

(XII) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heterocycle}-R_{C-heteroaryl} where R_{C-heterocycle}, R_{C-heteroaryl}, R_{C-x} and R_{C-y} are as defined above,

(XIII) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heterocycle}-R_{C-heterocycle} where R_{C-heterocycle}, R_{C-x} and R_{C-y} are as defined above,

(XIV) - (CR_{C-x}R_{C-y})₀₋₄-R_{C-heterocycle} where R_{C-heterocycle}, R_{C-x} and R_{C-y} are as defined above,

(XV) -cyclopentyl, -cyclohexyl, or -cycloheptyl ring fused to $R_{C\text{-aryl}}$ or $R_{C\text{-heteroaryl}}$ or $R_{C\text{-heterocycle}}$ where $R_{C\text{-aryl}}$ or $R_{C\text{-heteroaryl}}$ or $R_{C\text{-heterocycle}}$ are as defined above where one carbon of cyclopentyl, cyclohexyl, or -cycloheptyl is optionally replaced with NH, NR_{N-5} , O, $S(=O)_{0-2}$, and where cyclopentyl, cyclohexyl, or -cycloheptyl can be optionally substituted with one or two $-C_1-C_3$ alkyl, -F, -OH, -SH, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, =O, or $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(XVI) $-[C(R_{C-1})(R_{C-2})]_{1-3}-CO-N-(R_{C-3})_2$ where R_{C-1} and R_{C-2} are the same or different and are selected from the group consisting of:

(A) -H,

(B) $-C_1-C_6$ alkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, -O-phenyl, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(C) C_2-C_6 alkenyl with one or two double bonds, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, -O-phenyl, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(C) $-(CH_2)_{0-4}-C_3-C_7$ cycloalkyl, optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, -F, -Cl, -Br, -I, -OH, -SH, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, -O-phenyl, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(D) $-(C_1-C_4 \text{ alkyl})-R_{C'\text{-aryl}}$ where $R_{C'\text{-aryl}}$ is as defined for $R_{1\text{-aryl}}$,

(E) $-(C_1-C_4 \text{ alkyl})-R_{C\text{-heteroaryl}}$ where $R_{C\text{-heteroaryl}}$ is as defined above,

(F) $-(C_1-C_4 \text{ alkyl})-R_{C\text{-heterocycle}}$ where $R_{C\text{-heterocycle}}$ is as defined above,

(G) $-R_{C\text{-heteroaryl}}$ where $R_{C\text{-heteroaryl}}$ is as defined above,

(H) $-R_{C\text{-heterocycle}}$ where $R_{C\text{-heterocycle}}$ is as defined above, and

(I) $-R_{C'\text{-aryl}}$ where $R_{C'\text{-aryl}}$ is as defined above, and where R_{C-3} is the same or different and is:

(A) $-H$,

(B) $-C_1-C_6$ alkyl optionally substituted with one, two or three substituents selected from the group consisting of C_1-C_3 alkyl, $-F$, $-Cl$, $-Br$, $-I$, $-OH$, $-SH$, $-C\equiv N$, $-CF_3$, C_1-C_6 alkoxy, $-O\text{-phenyl}$, and $-NR_{1-a}R_{1-b}$ where R_{1-a} and R_{1-b} are as defined above,

(C) $-(CH_2)_{0-4}-C_3-C_7$ cycloalkyl,

(D) $-(C_1-C_4 \text{ alkyl})-R_{C'\text{-aryl}}$ where $R_{C'\text{-aryl}}$ is as defined above,

(E) $-(C_1-C_4 \text{ alkyl})-R_{C\text{-heteroaryl}}$ where $R_{C\text{-heteroaryl}}$ is as defined above, or

(F) $-(C_1-C_4 \text{ alkyl})-R_{C\text{-heterocycle}}$ where $R_{C\text{-heterocycle}}$ is as defined above; or
pharmaceutically acceptable salts thereof.

2. (Currently Amended) A substituted amine according to claim 1

where ~~R_1 is:~~

~~$(CH_2)_{0-1}(R_{1\text{-aryl}})$, or~~

~~$(CH_2)_{n1}(R_{1\text{-heteroaryl}})$~~

~~where R_N is:~~

~~R_{N-1}-X_N where X_N is selected from the group consisting of:~~

~~CO, and~~

~~SO₂,~~

~~where R_{N-1} is selected from the group consisting of:~~

~~R_{N-aryl}, and~~

~~R_{N-heteroaryl},~~

where R_C is:

-C₃-C₈ alkyl,

-(CH₂)₀₋₃-(C₃-C₇) cycloalkyl,

-(CR_{C-x}RC-y)₁₋₄-R_{C-aryl},

-(CR_{C-x}RC-y)₁₋₄-R_{C-heteroaryl},

-(CR_{C-x}RC-y)₁₋₄-R_{C-heterocycle}, or

-cyclopentyl or -cyclohexyl ring fused to R_{C-aryl} or R_{C-}

heteroaryl or R_{C-heterocycle}.

3. (Currently Amended) A substituted amine according to claim 2

where R₁ is:

-(CH₂)-(R_{1-aryl}), or

~~(CH₂)-(R_{1-heteroaryl}),~~

where R₂ is -H;

where R₃ is -H;

~~where R_N is:~~

~~R_{N-1}-X_N where X_N is:~~

~~CO,~~

~~where R_{N-1} is selected from the group consisting of:~~

~~R_{N-aryl}, and~~

~~R_{N-heteroaryl},~~

where R_C is:

- (CH₂)₀₋₃ - (C₃-C₇) cycloalkyl,
 - (CR_{C-x}R_{C-y})₁₋₄ - R_C-aryl,
 - (CR_{C-x}R_{C-y})₁₋₄ - R_C-heteroaryl,
 - (CR_{C-x}R_{C-y})₁₋₄ - R_C-heterocycle, OR
 -cyclopentyl or -cyclohexyl ring fused to a R_C-aryl or
 R_C-heteroaryl OR R_C-heterocycle.

4. (Original) A substituted amine according to claim 3
 where R_C is:

- (CR_{C-x}R_{C-y})₁₋₄ - R_C-aryl,
 - (CR_{C-x}R_{C-y})₁₋₄ - R_C-heteroaryl, OR
 -cyclopentyl or -cyclohexyl ring fused to a R_C-aryl or
 R_C-heteroaryl OR R_C-heterocycle.

5. (Cancelled)

6. (Original) A substituted amine according to claim 1
 where R₁ is

- (CH₂) - (R₁-aryl) where R₁-aryl is phenyl substituted with two -
 F.

7. (Original) A substituted amine according to claim 6
 where the -F substitution is 3,5-difluorobenzyl.

8. (Original) A substituted amine according to claim 1
 where R₂ is -H.

9. (Original) A substituted amine according to claim 1
 where R₃ is -H.

10. (Currently Amended) A substituted amine according to claim 1 where ~~R_N is~~
~~R_{N-1}-X_N where X_N is CO, where R_{N-1} is R_{N-aryl} where R_{N-aryl} is~~
phenyl substituted with one -CO-NR_{N-2}R_{N-3} where the substitution on
the phenyl is 1,3-.

11. (Original) A substituted amine according to claim 10
where R_{N-2} and R_{N-3} are the same and are C₃ alkyl.

12. (Currently Amended) A substituted amine according to
claim 1 where R_N is

~~R_{N-1}-X_N where X_N is CO, where R_{N-1} is R_{N-aryl} where R_{N-aryl} is~~
phenyl substituted with one C₁ alkyl and with one -CO-NR_{N-2}R_{N-3}
where the substitution on the phenyl is 1,3,5-.

13. (Original) A substituted amine according to claim 12
where R_{N-2} and R_{N-3} are the same and are C₃ alkyl.

14. (Cancelled)

15. (Cancelled)

16. (Original) A substituted amine according to claim 1
where R_C is:

- (CR_{C-x}R_{C-y})₁₋₄-R_{C-aryl} where R_{C-aryl} is phenyl,
- (CR_{C-x}R_{C-y})₁₋₄-R_{C-heteroaryl}, or
-cyclopentyl or -cyclohexyl ring fused to a R_{C-aryl} or R_{C-}
heteroaryl or R_{C-heterocycle}.

17. (Original) A substituted amine according to claim 16 where R_C is: $-(CR_{C-x}R_{C-y})_{1-4}-R_{C-aryl}$ where R_{C-aryl} is phenyl.

18. (Original) A substituted amine according to claim 17 where phenyl is substituted in the 3-position or 3,5-positions.

19. (Original) A substituted amine according to claim 16 where R_C is:

- $(CH_2)-R_{C-heteroaryl}$.

20. (Original) A substituted amine according to claim 16 where R_C is:

- $(CH_2)-R_{C-heterocycle}$.

21. (Original) A substituted amine according to claim 16 where R_C is:

-cyclohexyl ring fused to a phenyl ring.

22. (Original) A substituted amine according to claim 1 where the pharmaceutically acceptable salt is selected from the group consisting of salts of the following acids acetic, aspartic, benzenesulfonic, benzoic, bicarbonic, bisulfuric, bitartaric, butyric, calcium edetate, camsylic, carbonic, chlorobenzoic, citric, edetic, edisylic, estolic, esyl, esylic, formic, fumaric, gluceptic, gluconic, glutamic, glycollylarsanilic, hexamic, hexylresorcinoic, hydrabamic, hydrobromic, hydrochloric, hydroiodic, hydroxynaphthoic, isethionic, lactic, lactobionic, maleic, malic, malonic, mandelic, methanesulfonic, methylnitric, methylsulfuric, mucic, muconic, napsylic, nitric, oxalic, p-nitromethanesulfonic, pamoic, pantothenic, phosphoric, monohydrogen phosphoric,